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NOTICE OF ALLOWANCE AND FEE(S) DUE

22195

7590

12/10/2008

HUMAN GENOME SCIENCES INC. INTELLECTUAL PROPERTY DEPT. 14200 SHADY GROVE ROAD ROCKVILLE, MD 20850 EXAMINER

DUFFY, PATRICIA ANN

ART UNIT PAPER NUMBER

1645

DATE MAILED: 12/10/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,727	06/25/2003	Craig A. Rosen	PF596P1N	1552

TITLE OF INVENTION: ANTIBODIES AGAINST PROTECTIVE ANTIGEN

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	03/10/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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ROCKVILLE, N	MD 20850						(Depositor's name)
							(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTOR	RNEY DOCKET NO.	CONFIRMATION NO.
10/602,727	06/25/2003	•	Craig A. Rosen		PF596P1N		1552
TITLE OF INVENTION	V: ANTIBODIES AGAIN	NST PROTECTIVE ANT	IGEN				
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DUFFY, PA	ΓRICIA ANN	1645	424-139100				
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4a. The following fee(s)	are submitted:	41	b. Payment of Fee(s): (Plea	se first reapply ar	ıy previ	ously paid issue fee s	hown above)
Issue Fee			A check is enclosed.				
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			overpayment, to Depo	sit Account Numbe	er	(enclose an	extra copy of this form).
5. Change in Entity Sta	i tus (from status indicate ns SMALL ENTITY stati	*	☐ b. Applicant is no long	oor claiming SMAI	I ENT	ITV status See 37 CE	P 1 27(a)(2)
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interest as shown by the	records of the United Sta	ites Patent and Trademark	c Office.				
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This collection of inform	nation is required by 37 C	CFR 1.311. The information	on is required to obtain or r	etain a benefit by t	he publi	c which is to file (and	by the USPTO to process)
an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V	tiality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DO	5 U.S.C. 122 and 37 CFR c USPTO. Time will vary rden, should be sent to th	1.14. This collection is est depending upon the indivi- te Chief Information Office COMPLETED FORMS TO	imated to take 12 r idual case. Any co cr. U.S. Patent and	minutes mments Tradema	to complete, including on the amount of time ark Office, U.S. Depa	g gathering, preparing, and ne you require to complete rtment of Commerce, P.O.
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10/602,727	06/25/2003	Craig A. Rosen	PF596P1N	1552	
22195 7590 12/10/2008			EXAMINER		
HUMAN GENO	ME SCIENCES INC	DUFFY, PAT	RICIA ANN		
	PROPERTY DEPT.	ART UNIT	PAPER NUMBER		
14200 SHADY GF ROCKVILLE, MD			1645 DATE MAILED: 12/10/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 400 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 400 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
Notice of Allowability	10/602,727 Examiner	ROSEN ET AL. Art Unit				
•						
	Patricia A. Duffy	1645				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate completes. This application is	in this application. If not included nunication will be mailed in due of	d ourse. THIS			
1. This communication is responsive to <u>10-28-08</u> .						
2. X The allowed claim(s) is/are <u>1, 5-14, 17-25, 27-37, 41-46, 5</u>	1, 52, 55-59, 61-67, 69, 70), 79-86 AND 97-104.				
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Applica	tion No	on from the			
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	MENT of this application. itted. Note the attached E.	XAMINER'S AMENDMENT or NC				
INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must		or declaration is deficient.				
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date	-	,				
, — , — . — —	(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			pack) of			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			ote the			
Attachment(s)	- -	16 15 16 ""				
1. Notice of References Cited (PTO-892)		Informal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No	Summary (PTO-413), b./Mail Date				
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner	's Amendment/Comment				
Examiner's Comment Regarding Requirement for Deposit of Biological Material		's Statement of Reasons for Allow	/ance			
	9. ☐ Other	·				
/Patricia A. Duffy/						
Primary Examiner, Art Unit 1645						

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Hyman on November 21, 2008.

Claims 1, 5-14, 17-21, 33-37, 41-46, 51, 52, 55 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 24, 25, 27-32, 56-104 were directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, the methods are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 3-7-06 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional

statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

The application has been amended as follows:

In the claims:

Claim 1. (amended) An isolated antibody or fragment thereof comprising the amino acid sequences of the VHCDR1, VHCDR2, VHCDR3, VKCDR1, VLCDR2, and VLCDR3 domains of the scFv of SEQ ID NO:53 the VHCDR1 domain (residues 26-35 of SEQ ID NO:53), the VHCDR2 domain (residues 50-66 of SEQ ID NO:53), the VHCDR3 domain (residues 99-106 of SEQ ID NO:53), the VLCDR1 domain (residues 156-168 of SEQ ID NO:3), the VLCDR2 domain (residues 184-190 of SEQ ID NO:53), and the VLCDR3 domain (residues 223-233 of SEQ ID NO:53), of the scFv of SEQ ID NO:53, wherein said antibody or fragment thereof specifically binds protective antigen (PA).

Claim 27 (amended). The method of claim 22 wherein the antibody or fragment thereof is administered in combination with an anti-anthrax agent selected from the group consisting of:

(a) a soluble form of the ATR anthrax toxin receptor;

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(b) a soluble form of the CMG2 capillary morphogenesis protein 2 receptor;

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(c) an anti-anthrax toxin receptor ATR antibody;

(d) an anti-edema factor EF antibody; and

(e) an anti-lethal factor LF antibody [[;]]

(f) an anthrax vaccine; and

(g) a polyvalent form of the P1 peptide.

Claim 61 (amended). The method of claim 56 wherein the antibody or fragment thereof is administered in combination with an anti-anthrax agent selected from the group consisting of:

(a) a soluble form of the ATR anthrax toxin receptor;

(b) a soluble form of the CMG2 capillary morphogenesis protein 2 receptor;

(c) an anti-anthrax toxin receptor ATR antibody;

(d) an anti-edema factor EF antibody; and

(e) an anti-<u>lethal factor</u> LF antibody [[;]]

(f) an anthrax vaccine; and

(q) a polyvalent form of the P1 peptide.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia A. Duffy whose telephone number is 571-272-0855. The examiner can normally be reached on M-Th 7:30 pm - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Mondesi can be reached on 571-272-0956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patricia A. Duffy/ Primary Examiner, Art Unit 1645 Patricia A. Duffy Primary Examiner Art Unit 1645